

Table 2.8  
All Cancer Sites (Invasive)

5-Year Relative and Period Survival (Percent) by Race, Sex, Diagnosis Year and Age

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
5-Year Relative Survival (Percent)									
Year of Diagnosis:									
1960-1963 <sup>a</sup>	-	-	-	39	-	-	27	-	-
1970-1973 <sup>a</sup>	-	-	-	43	-	-	31	-	-
1975-1977 <sup>b</sup>	48.9	41.7	55.9	49.8	42.7	56.5	39.1	32.7	46.2
1978-1980 <sup>b</sup>	49.0	43.1	55.0	50.0	44.3	55.6	39.0	33.3	45.6
1981-1983 <sup>b</sup>	50.2	45.2	55.1	51.3	46.6	56.0	38.8	34.2	44.4
1984-1986 <sup>b</sup>	52.4	47.2	57.6	53.6	48.6	58.6	40.2	35.5	45.5
1987-1989 <sup>b</sup>	55.3	51.1	59.6	56.7	52.8	60.6	43.0	38.9	47.7
1990-1992 <sup>b</sup>	59.9	59.1	60.9	61.4	60.8	62.1	47.9	47.7	48.2
1993-1995 <sup>b</sup>	61.3	60.9	61.8	62.4	62.1	62.8	52.9	54.6	50.6
1996-1998 <sup>b</sup>	63.3	63.0	63.7	64.4	64.1	64.7	55.3	58.0	52.2
1999-2001 <sup>b</sup>	66.0	66.3	65.7	67.2	67.6	66.8	58.1	61.2	54.4
2002-2004 <sup>b</sup>	67.1	67.7	66.5	68.4	69.0	67.7	59.6	63.4	55.4
2005-2007 <sup>b</sup>	68.6	69.3	67.8	69.7	70.4	69.0	61.4	64.9	57.6
2008-2014 <sup>b</sup>	69.2 <sup>e</sup>	68.9 <sup>e</sup>	69.5 <sup>e</sup>	70.1 <sup>e</sup>	69.8 <sup>e</sup>	70.5 <sup>e</sup>	63.3 <sup>e</sup>	65.7 <sup>e</sup>	60.7 <sup>e</sup>
5-Year Period Survival (Percent) <sup>cd</sup>									
2014	66.8	65.7	67.9	67.1	65.7	68.5	61.5	63.0	59.7
5-Year Relative Survival (Percent), 2008-2014 <sup>c</sup>									
Age at Diagnosis:									
Ages <45	82.7	78.3	85.4	84.0	79.9	86.6	72.9	67.9	75.9
Ages 45-54	74.3	68.9	78.6	75.3	69.5	79.9	66.5	65.4	67.4
Ages 55-64	70.1	69.1	71.3	70.9	69.7	72.5	63.4	65.2	60.5
Ages 65-74	66.9	68.9	64.1	67.3	68.9	65.0	61.7	66.3	55.1
Ages 75+	50.5	53.0	48.1	51.0	53.0	49.2	43.1	48.4	38.9
Ages <65	73.9	70.5	77.1	74.8	71.2	78.2	66.0	65.6	66.4
Ages 65+	59.3	62.3	55.9	59.7	62.1	56.8	54.5	60.5	47.7

<sup>a</sup> Based on End Results data from a series of hospital registries and one population-based registry.  
<sup>b</sup> SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta).  
Based on follow-up of patients into 2015. [Expected survival rates](#) are derived from the U.S. Annual Life Tables.  
<sup>c</sup> SEER 18 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, New Jersey and Georgia excluding ATL/RG). Expected survival rates are derived from life tables by socio-economic status, geography and race developed by the SEER program.  
<sup>d</sup> Based on follow-up of patients into 2015.  
Period survival provides a 2014 estimate of survival by piecing together the most recent conditional survival estimates from several cohorts. It is computed here using three year calendar blocks (2010-2012: 0-1 year survival), (2009-2011: 1-2 year survival), (2008-2010: 2-3 year survival), (2007-2009: 3-4 year survival), (2006-2008: 4-5 years survival).  
<sup>e</sup> The difference between 1975-1977 and 2008-2014 is statistically significant (p<.05).  
<sup>f</sup> The standard error is between 5 and 10 percentage points.  
<sup>g</sup> The standard error is greater than 10 percentage points.  
- Statistic could not be calculated due to fewer than 25 cases during the time period.